Frequently Asked Questions for Green Electricity Tariff (GET) 2023 Programme

1. *Why should I subscribe to GET?*

- Subscribing to GET means supporting an environmentally friendly and green agenda such as to meet your sustainable targets through offsetting electricity's carbon emission, and boost "eco-friendly" brand image.

- In addition, you are supporting growth of the renewable energy industries as well as supporting global energy transition to limit climate change and global warming.

2. *How many GET blocks should I subscribe and is there any limitation?*

- The amount of Green Electricity that customers can subscribe shall be less than or equivalent to average monthly consumption.

- Subject to sustainability target, customer may opt to subscribe in block based on average monthly consumption. Block subscription is in 100 kWh blocks for Residential and 1,000 kWh blocks for Non-Residential.

- In line with GET Guideline, TNB reserves the right to review customer's GET subscription in the event customer's actual electricity consumption is lower than their green electricity subscription to ensure fair sharing of limited Green Electricity quota.

3. *Who can subscribe to GET and how much is the rate?*

- GET Programme is offered as an option to all TNB customers. Customers who wish to enroll for GET must enter into Green Electricity Tariff Agreement and subjected to stamp duty.

- Starting from 1st August 2023, the new GET premium subscription rate of 21.8 sen/kWh will be charged to existing and new subscription.

4. *Why GET Programme is backed with internationally recognized mREC?*

- GET programme is backed by mREC to give assurance that customers will receive green electricity. mREC is the Malaysia Renewable Energy Certificate (mREC) in the form of an e-certificate which have been redeemed by TNBX in the relevant REC Registry for the benefit of a GET customer, representing the environmental attributes of the relevant amount of Green Electricity generated and delivered to the grid. mREC

is presently using the International REC (I-REC) Standard which is recognised internationally.

5. How do I ensure the source of energy is from green if I were to subscribe to GET?

- You will receive an internationally recognized Malaysian Renewable Energy Certificate (mREC) that provides credibility of your electricity coming from a renewable energy generator. The source of REC is from the RE generators connected to the national grid that makes the claim more credible as compared to off-grid.

6. If I sign up for GET, will my home or business receive electricity generated from renewable energy?

- Electricity generated by renewable energy is not supplied to a specific home or business. When you subscribe to GET, TNB will match 100% of your subscription of GET from TNB renewable energy instead of using energy from natural gas or coal-fired power plants. This green energy enters the electric system daily and reduces the amount of energy you required from fossil-fuel based power plants.

- The resources for producing electricity for the purpose of the GET Programme will be from the renewable energy resources as determined and approved by the Energy Commission from time to time.

7. Where does the collection from GET programme goes to?

- The payment collected from GET programme will be used to support the implementation of national renewable energy agenda and initiatives.

8. How will subscribing to GET affect my electricity bill?

- Customers who opt for GET subscriptions will pay:

a) Standard applicable tariff rates as per Tariff Schedule for monthly electricity consumption; **and**
b) GET subscription charges at the rate of 21.8 sen/kWh starting 1st August 2023

- Monthly GET billing will be based on GET subscription or customer's actual consumption whichever is lower.

- GET subscription charges will be prorated based on number of days in the scenario whereby customer subscribes GET in the middle of billing period.

- GET electricity subscriber will receive Imbalance Cost Pass-Through (ICPT) waiver in their monthly electricity bill (limit up to the number of GET blocks subscribed).

- GET billing calculation for Net Energy Metering (NEM) and Malaysia Building Integrated Photovoltaic (MBIPV) customer is based on NET energy after netting off export energy from solar generation.

- The following are not taken into consideration when calculating the charges for the GET Customer's electricity consumption with reference to the subscription of Green Electricity under the GET Programme:

    (a) any payment to the Renewable Energy Fund established under section 23 of the Renewable Energy Act 2011;
    (b) power factor surcharges;
    (c) temporary load charges;
    (d) power factor rebates;
    (e) welding equipment surcharges;
    (f) any discounts given by the Government of Malaysia; or
    (g) any other charges as may be determined by the Commission.

Example 1:

- **Example for bill calculation when electricity consumption of the GET Customer is more than its subscription of green electricity :**

Electricity consumption = 800,000 kWh
GET subscription = 100,000 kWh
Below is an illustration for the calculation of the sum payable by the GET Customer:

Tempoh Bil	:	01.08.2023 - 31.08.2023 (31 Hari)	Faktor Purata
Tariff	:	C2 - Perdagangan Puncak/Luar Puncak	1.00000

Blok Tarif (kWh/kW)	Kegunaan (kWh/kW)	Kadar (RM)	Amaun (RM)
Kegunaan Puncak	500,000.00	0.3650	182,500.00
Kegunaan Luar Puncak	300,000.00	0.2240	67,200.00
Kehendak Maksima	1,500.00	45.1000	67,650.00
Jumlah			317,350.00
Green Electricity Tariff (kWh)	100,000.00	0.2180	21,800.00

Keterangan		Tidak Kena ST	Kena ST	Jumlah
Kegunaan kWh	kWh	800,000.00	0.00	800,000.00
Kegunaan	RM	249,700.00	0.00	249,700.00
Kehendak Maksima	RM	67,650.00	0.00	67,650.00
Green Electricity Tariff	RM	21,800.00	0.00	21,800.00
ICPT (RM0.17/kWh)	RM	119,000.00	0.00	119,000.00
Kegunaan Bulan Semasa	RM	458,150.00	0.00	458,150.00
KWTBB (1.6%)	RM			5,077.60
Caj Semasa	**RM**			**463,227.60**

Example 2:

- **Example for billing calculation when electricity consumption of the GET Customer is less than its subscription of green energy:**

Electricity consumption = 50,000 kWh
GET subscription = 100,000 kWh
Below is an illustration for the calculation of the sum payable by the GET Customer:

Tempoh Bil	:	01.08.2023 - 31.08.2023 (31 Hari)	Faktor Purata
Tariff	:	C2 - Perdagangan Puncak/Luar Puncak	1.00000

Blok Tarif (kWh/kW)	Kegunaan (kWh/kW)	Kadar (RM)	Amaun (RM)
Kegunaan Puncak	30,000.00	0.3650	10,950.00
Kegunaan Luar Puncak	20,000.00	0.2240	4,480.00
Kehendak Maksima	1,000.00	45.1000	45,100.00
Jumlah			60,530.00
Green Electricity Tariff (kWh)	50,000.00	0.2180	10,900.00

Keterangan		Tidak Kena ST	Kena ST	Jumlah
Kegunaan kWh	kWh	50,000.00	0.00	50,000.00
Kegunaan	RM	15,430.00	0.00	15,430.00
Kehendak Maksima	RM	45,100.00	0.00	45,100.00
Green Electricity Tariff	RM	10,900.00	0.00	10,900.00
ICPT (RM0.17/kWh)	RM	-	0.00	0.00
Kegunaan Bulan Semasa	RM	71,430.00	0.00	71,430.00
KWTBB (1.6%)	RM			968.48
Caj Semasa	**RM**			**72,398.48**

Example 3:

- **Example for billing calculation when GET customer subscribes GET in the middle of billing period. Calculation is based on number of days:**

Electricity consumption = 2,000 kWh
GET subscription = 1,000 kWh
GET Start Date = 01.09.2023
Billing period = 25.08.2023 – 24.09.2023
Below is an illustration for the calculation of the sum payable by the GET Customer

Tempoh Bil	:	25.08.2023 - 24.09.2023 (31 Hari)	Faktor Purata
Tariff	:	B - Perdagangan	1.00000

Blok Tarif (kWh)	Kegunaan (kWh)	Kadar (RM)	Amaun (RM)
200	200.00	0.4350	87.00
>200	1,800.00	0.5090	916.20
Jumlah	2,000.00		1,003.20
Green Electricity Tariff (kWh)	774.00	0.2180	168.73

Keterangan		Tidak Kena ST	Kena ST	Jumlah
Kegunaan kWh	kWh	2,000.00	0.00	2,000.00
Kegunaan	RM	1,003.20	0.00	1,003.20
Green Electricity Tariff	RM	168.73	0.00	168.73
ICPT (RM0.037/kWh)	RM	45.36	0.00	45.36
Kegunaan Bulan Semasa	RM	1,217.29	0.00	1,217.29
KWTBB (1.6%)	RM			16.05
Caj Semasa	**RM**			**1,233.34**

Example 4:

- **Example for bill calculation for NEM or MBIPV Customer when net energy of the GET Customer is more than its subscription of green electricity:**

Electricity consumption = 35,176 kWh
Export consumption = 3,000 kWh
GET Subscription = 30,000 kWh
GET Start Date = 01.07.2023
Below is an illustration for the calculation of the sum payable by the GET Customer:

Tempoh Bil	:	01.08.2023 - 31.08.2023 (31 Hari)	Faktor Purata
Tariff	:	B - Perdagangan	1.00000

Blok Tarif (kWh)	Kegunaan (kWh)	Kadar (RM)	Amaun (RM)
200	200.00	0.4350	87.00
>200	34,976.00	0.5090	17,802.78
Jumlah Import (kWh)	35,176.00		17,889.78
Green Electricity Tariff	30,000.00	0.2180	6,540.00

Blok Tarif (kWh)	Kegunaan (kWh)	Kadar (RM)	Amaun (RM)
200		0.4350	0.00
>200	3,000.00	0.5090	1,526.99
Jumlah Eksport (kWh)	3,000.00	**Jumlah Export (RM)**	1,526.99

Keterangan		Tidak Kena ST	Kena ST	Jumlah
Kegunaan kWh	kWh	35,176.00	0.00	35,176.00
Kegunaan	RM	17,889.78	0.00	17,889.78
Green Electricity Tariff	RM	6,540.00	0.00	6,540.00
ICPT (RM0.037/kWh)	RM	80.51	0.00	80.51
Kegunaan Bulan Semasa	RM	24,510.29	0.00	24,510.29
Service Tax (6%)	RM			0.00
KWTBB (1.6%)	RM			286.24
Caj Semasa (Import)	**RM**			**24,796.53**
kWh Eksport: 3,000.00	RM	- 1,526.99		-1,526.99
Nett Ofset	RM			0.00
Caj Semasa (Eksport)	**RM**			**-1,526.99**
Jumlah Caj Bersih	**RM**			**23,269.54**

Example 5:

- **Example for bill calculation for NEM or MBIPV Customer when net energy of the GET Customer is less than its subscription of green electricity:**

Electricity consumption = 35,176 kWh
Export consumption = 6,000 kWh
GET Subscription = 30,000 kWh
GET Start Date = 01.07.2023
Below is an illustration for the calculation of the sum payable by the GET Customer:

Tempoh Bil	:	01.08.2023 - 31.08.2023 (31 Hari)	Faktor Purata
Tariff	:	B - Perdagangan	1.00000

Blok Tarif (kWh)	Kegunaan (kWh)	Kadar (RM)	Amaun (RM)
200	200.00	0.4350	87.00
>200	34,976.00	0.5090	17,802.78
Jumlah Import (kWh)	35,176.00		17,889.78
Green Electricity Tariff	29,176.00	0.2180	6,360.37

Blok Tarif (kWh)	Kegunaan (kWh)	Kadar (RM)	Amaun (RM)
200		0.4350	0.00
>200	6,000.00	0.5090	3,053.99
Jumlah Eksport (kWh)	6,000.00	**Jumlah Export (RM)**	3,053.99

Keterangan		Tidak Kena ST	Kena ST	Jumlah
Kegunaan kWh	kWh	35,176.00	0.00	35,176.00
Kegunaan	RM	17,889.78	0.00	17,889.78
Green Electricity Tariff	RM	6,360.37	0.00	6,360.37
Kegunaan Bulan Semasa	RM	24,250.15	0.00	24,250.15
Service Tax (6%)	RM			0.00
KWTBB (1.6%)	RM			286.24
Caj Semasa (Import)	**RM**			**24,536.39**
kWh Eksport: 6,000.00	RM	- 3,053.99		-3,053.99
Nett Ofset	RM			0.00
Caj Semasa (Eksport)	**RM**			**-3,053.99**
Jumlah Caj Bersih	**RM**			**21,482.40**

Example 6:

- **Example for billing calculation when GET premium rate change on 01 August 2023. Calculation is based on number of days between old rate and new rate:**

Electricity consumption = 2,000 kWh
GET subscription = 1,000 kWh
GET Start Date = 01.09.2023
Billing period = 25.07.2023 – 24.08.2023
Below is an illustration for the calculation of the sum payable by the GET Customer:

Tempoh Bil	:	25.07.2023 - 24.08.2023 (31 Hari)	Faktor Purata
Tariff	:	B - Perdagangan	1.00000

Blok Tarif (kWh)	Kegunaan (kWh)	Kadar (RM)	Amaun (RM)
200	200.00	0.4350	87.00
>200	1,800.00	0.5090	916.20
Jumlah	2,000.00		1,003.20
Green Electricity Tariff (kWh)	226.00	0.0370	8.36
Green Electricity Tariff (kWh)	774.00	0.2180	168.73

Keterangan		Tidak Kena ST	Kena ST	Jumlah
Kegunaan kWh	kWh	2,000.00	0.00	2,000.00
Kegunaan	RM	1,003.20	0.00	1,003.20
Green Electricity Tariff	RM	177.09	0.00	177.09
ICPT (RM0.037/kWh)	RM	37.00	0.00	37.00
Kegunaan Bulan Semasa	RM	1,217.29	0.00	1,217.29
KWTBB (1.6%)	RM			16.05
Caj Semasa	**RM**			**1,233.34**

9. What are the GET subscription's terms and conditions?

- The terms & conditions of the GET Contract is accordance to the **Guideline on Green Electricity Tariff** approved by the Energy Commission.

- GET Guideline and terms and conditions are subject to Government revision from time to time.

10. What is Malaysia Green Attribute Tracking System (mGATS)?

- mGATS stands for Malaysia Green Attribute Tracking System. It is a platform for interested customers to inquire about green electricity and to seek the balance of Green Electricity Tariff quota.

11. If I sign up for the GET Programme, may I modify my GET subscription amount or decide to terminate the subscription?

- The period of GET subscription shall be from 1 August 2023 until 31 December 2023.

- Upon subscription, customers are not allowed to increase, reduce or terminate the GET subscription during the subscription period.

12. Is there any incentive provided when subscribing to GET; e.g. tax exemption or special electricity rates?

- There is no incentive available for the subscription of GET presently.

13. What is Renewable Energy Certificate?

- Renewable Energy Certificate (REC) is a certificate that represents the delivery of 1MWh of renewable energy to the grid and all associated environmental benefits of displacing 1MWh of conventional power. Companies wishing to meet their sustainability goals may choose to purchase RECs as part of their renewable energy sourcing portfolio. REC is a form of carbon offset for emission coming from grid electricity under GHG Protocol Scope 2.

14. What is Malaysia Renewable Energy Certificate (mREC)?

- mREC is a branding for all RECs that is redeemed by TNBX for customers in Malaysia. mREC logo is trademarked by TNBX.

15. How do I ensure the credibility of mREC?

- mREC is redeemed from an internationally recognised registry that provides credibility of your electricity coming specifically from a renewable energy generator. Presently, the internationally recognised registry used is by I-REC Standard. I-REC registry is recognised by all major standards and campaign such as Carbon Disclosure Project (CDP), Greenhouse Gas (GHG) Protocol and RE100.

16. How does mREC look like?

- Sample certificate of mREC is as per figure below;

17. Can a company, organization or individual sell their mREC to other entity?

- Reselling of mRECs is not possible as it will be retired directly to the purchaser.

18. When will I receive the mREC?

- The GET Customer shall receive the mREC under its subscription on a yearly basis within 30 working days after the end of each calendar year. In the event the GET Contract is terminated at any time in the calendar year, the mREC shall be issued to the GET Customer within 30 working days after the bill with the final GET consumption charged in the bill is issued to the GET Customer.